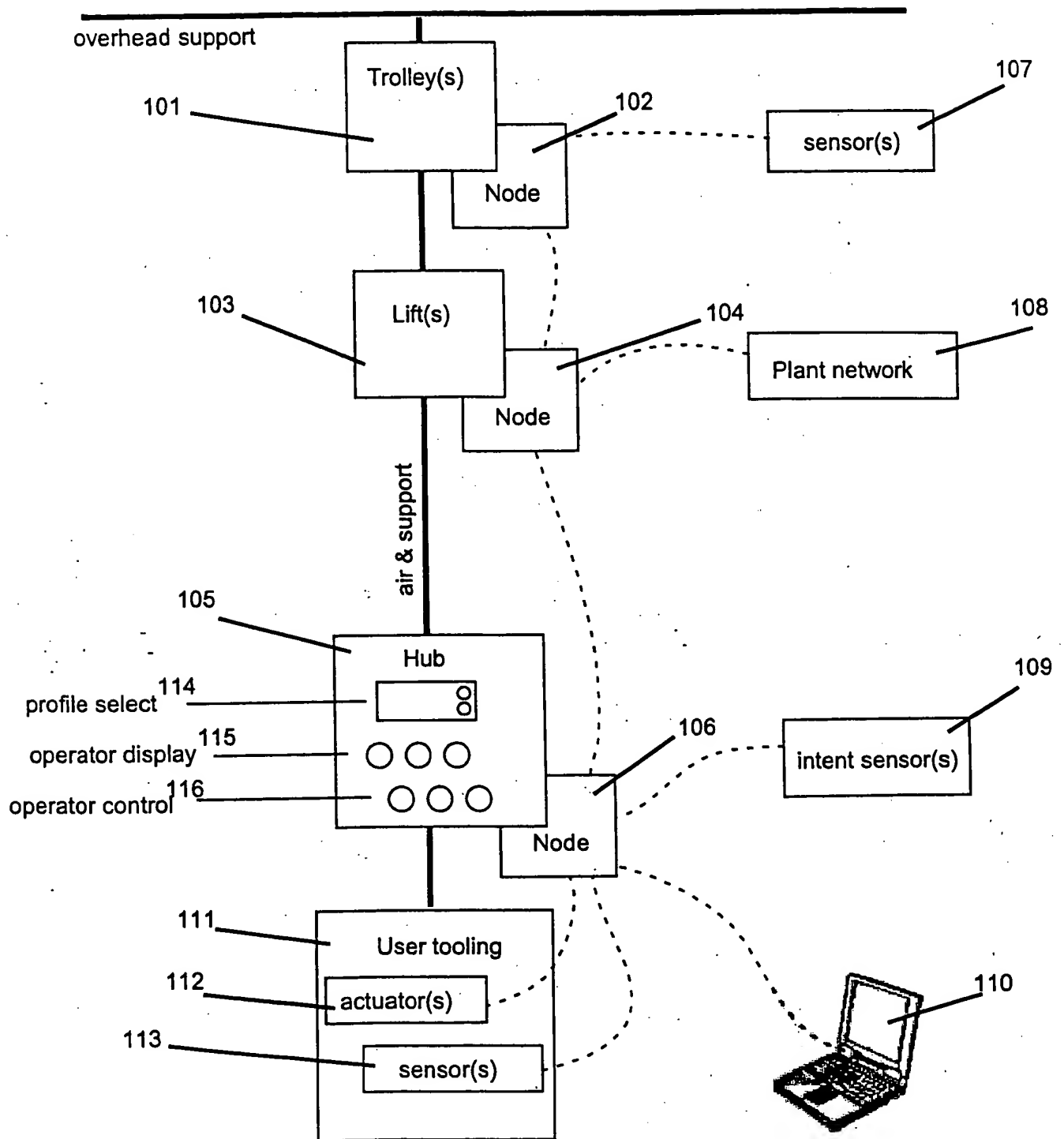


Figure 1



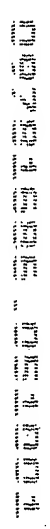


Figure 3

Figure 3 is a perspective view of a mechanical assembly 300. The assembly includes a base 301 with a front plate 302 and a rear plate 303. A central shaft 304 is supported by bearings 305 and 306. A handle 307 is attached to the shaft, and a lever 308 is connected to the handle. A pin 309 is visible on the rear plate.

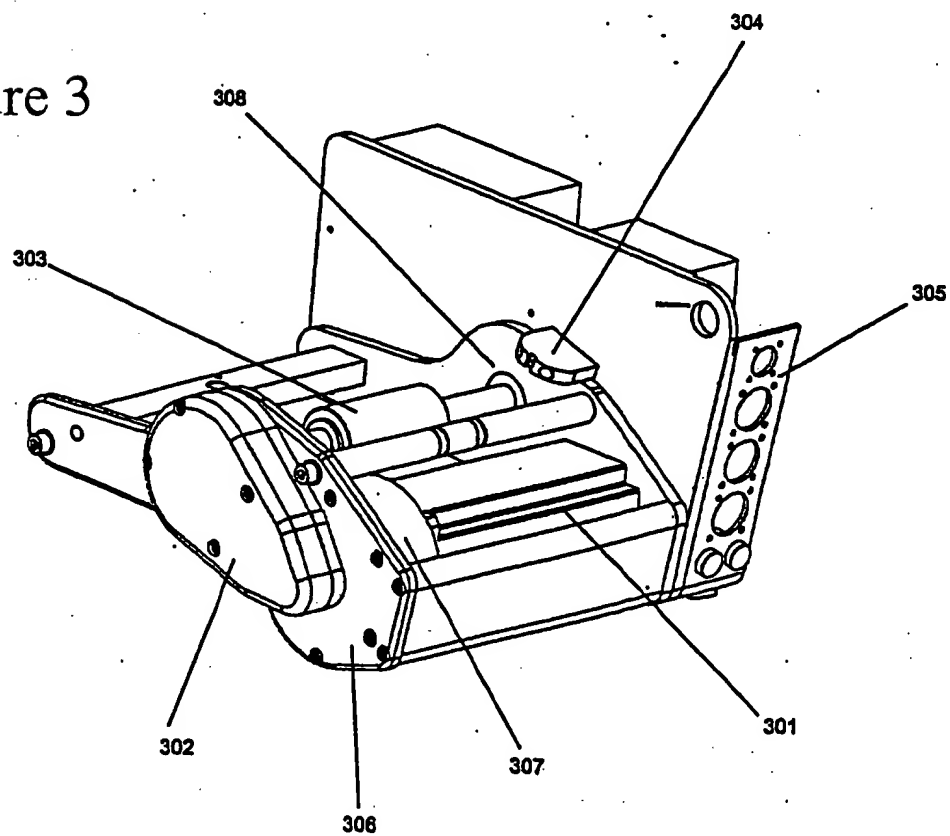


Figure 4

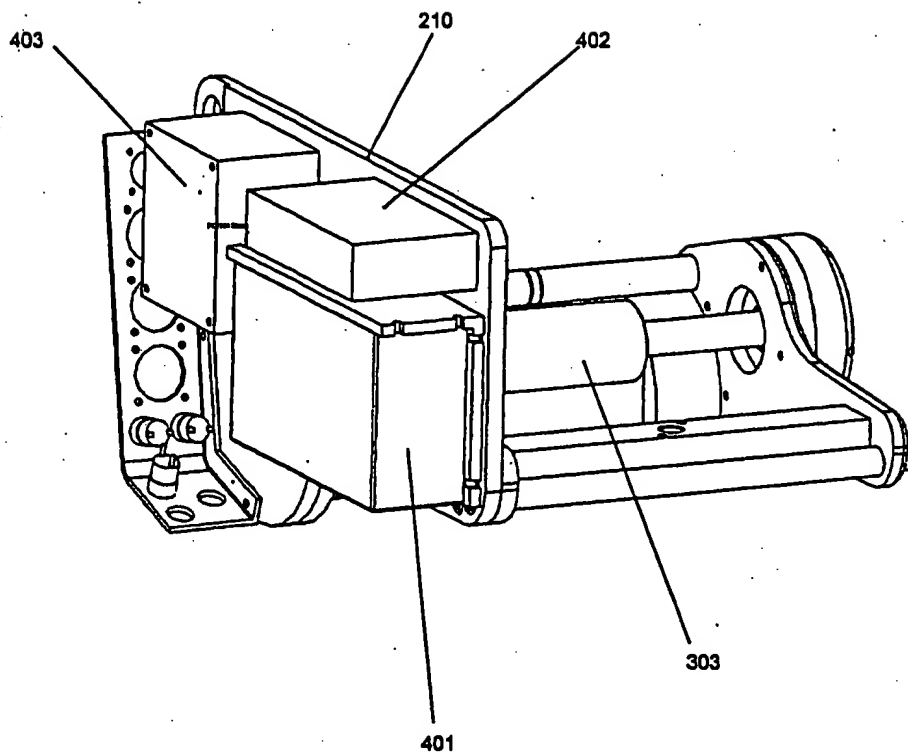


Figure 5

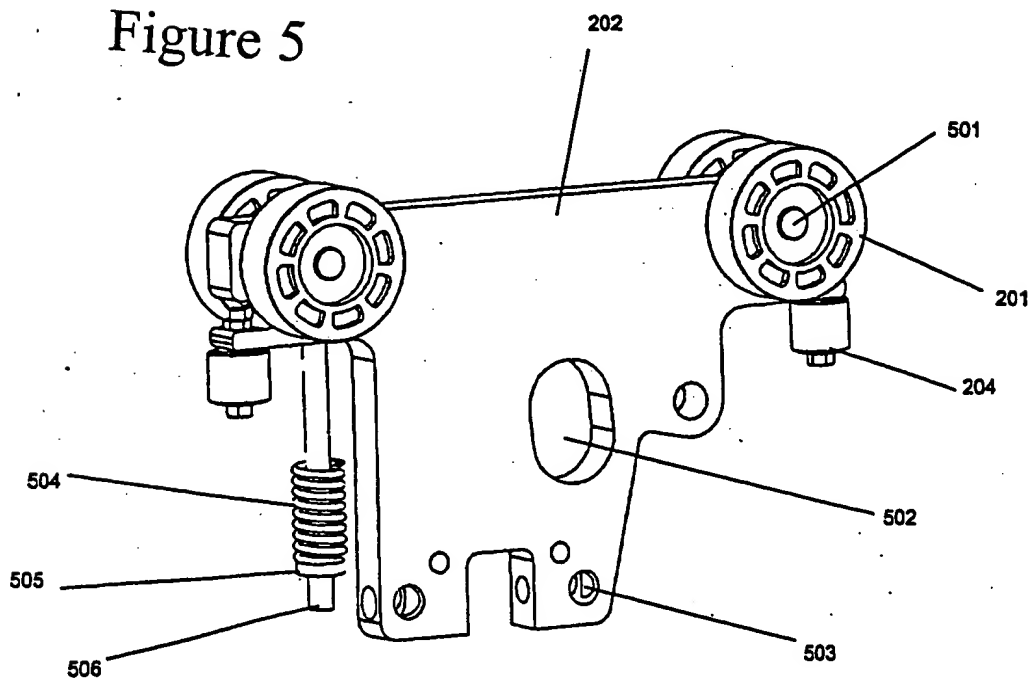


Figure 6

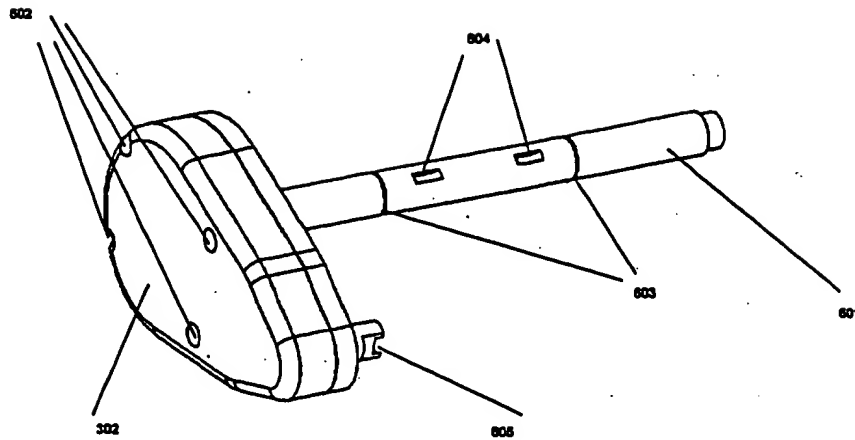


Figure 7

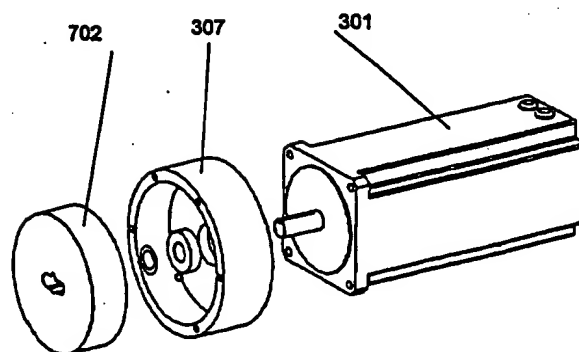


Figure 8

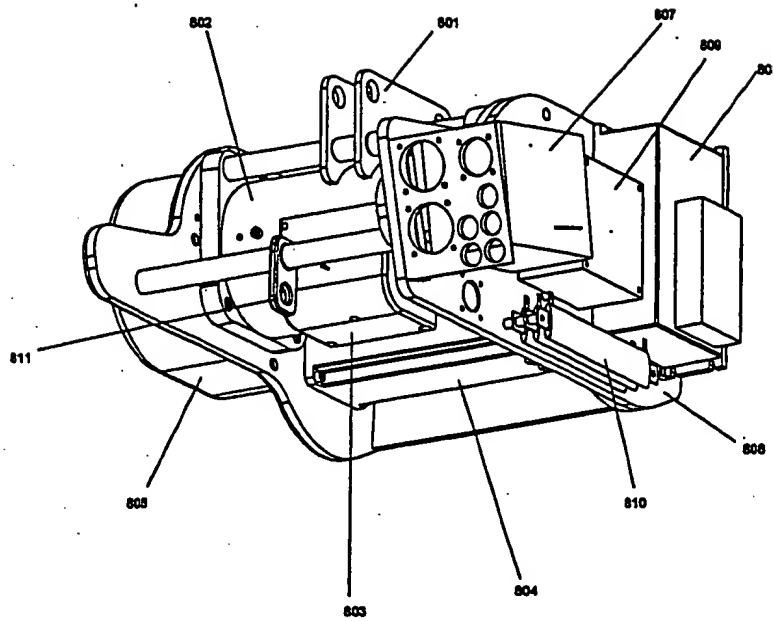


Figure 9

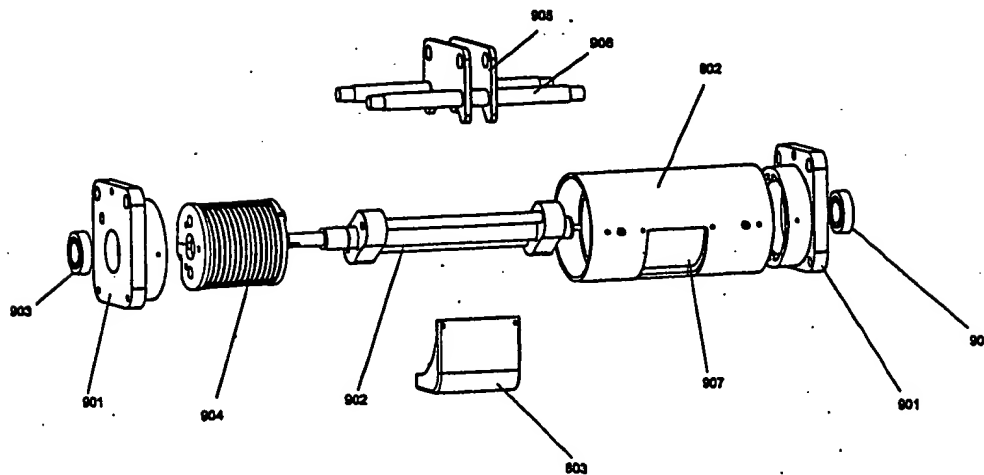


Figure 10

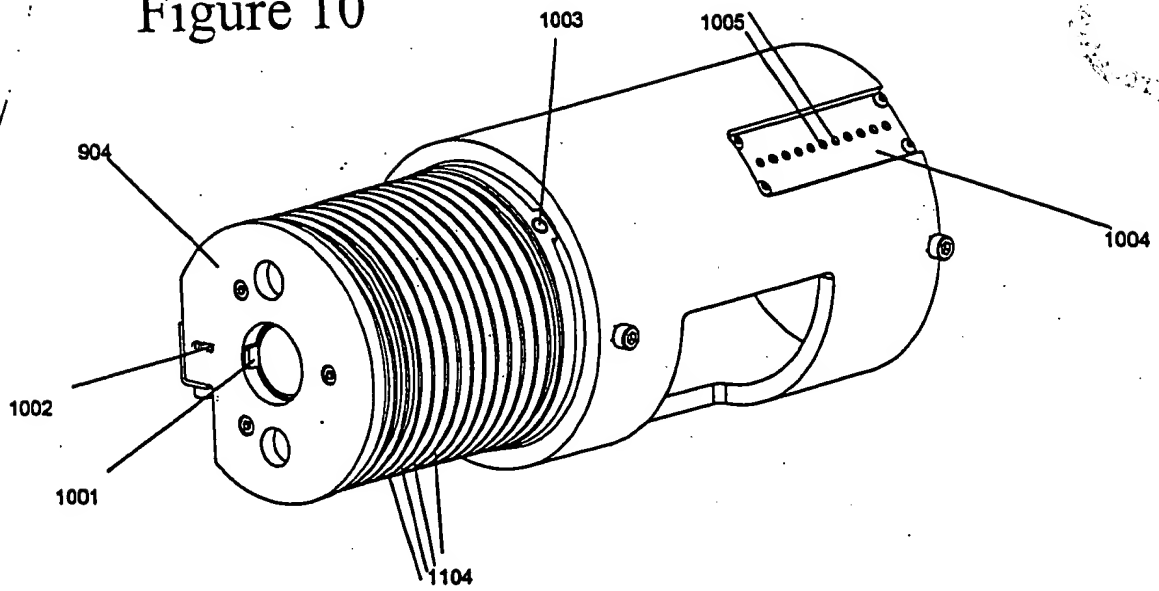


Figure 11

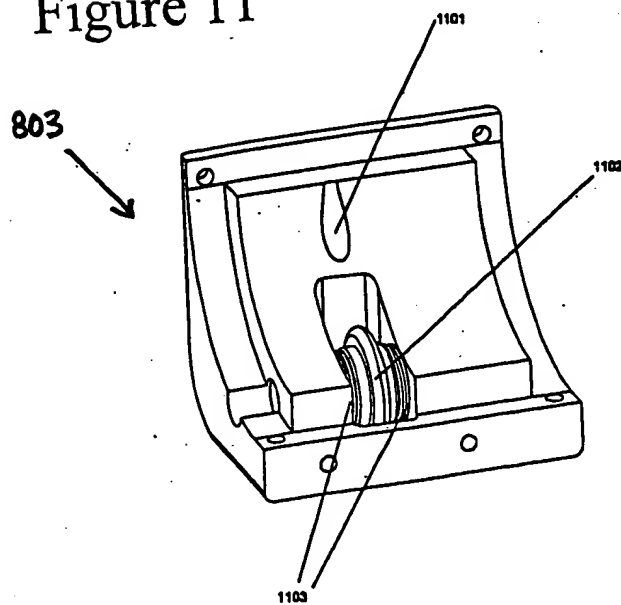


Figure 12

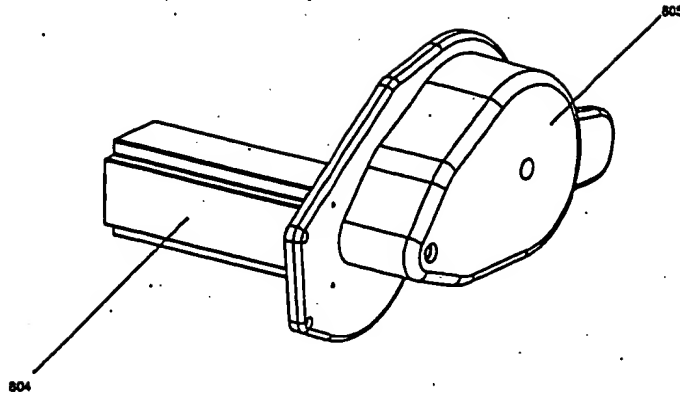


Figure 13

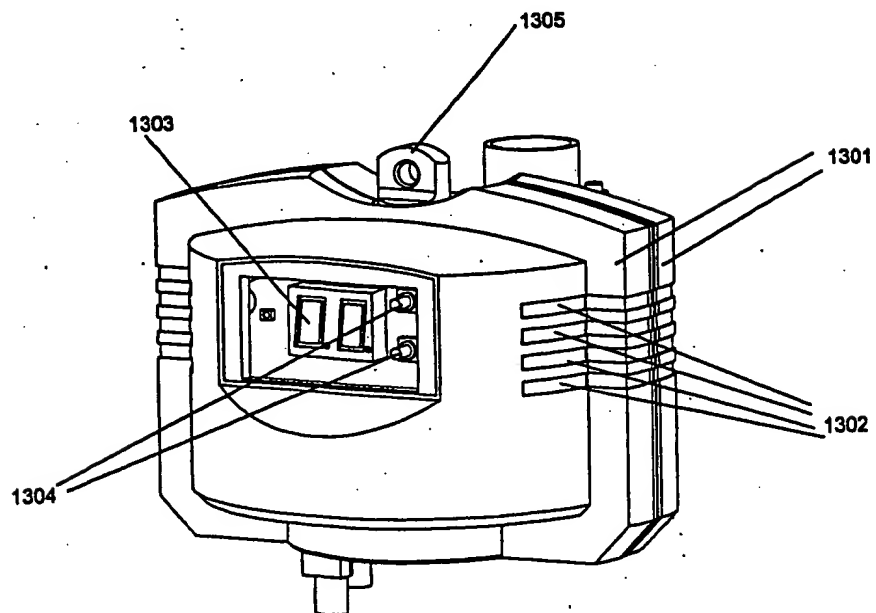


Figure 14

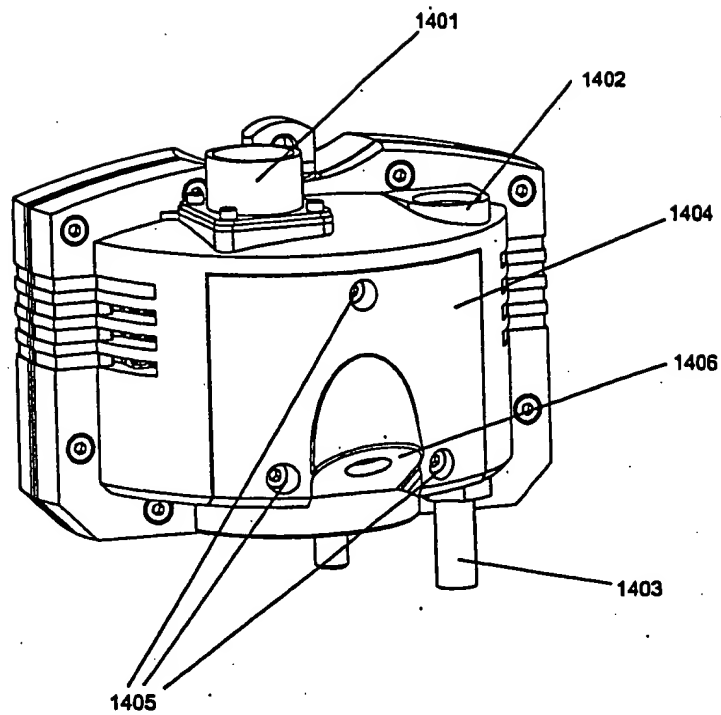


Figure 15

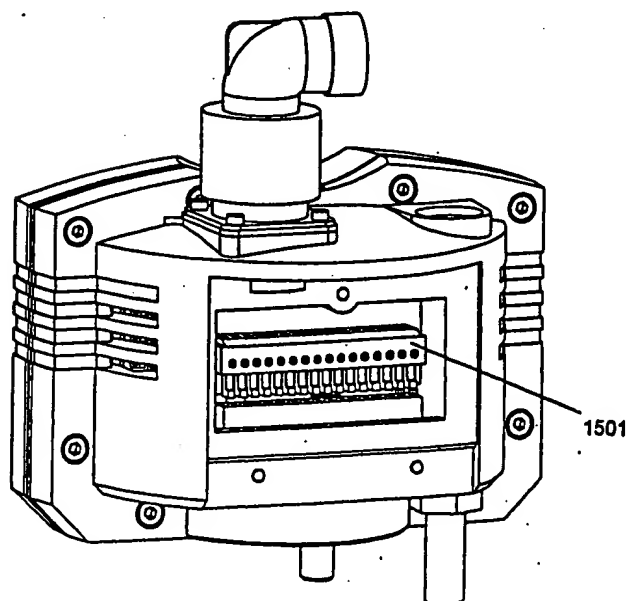




Figure 16

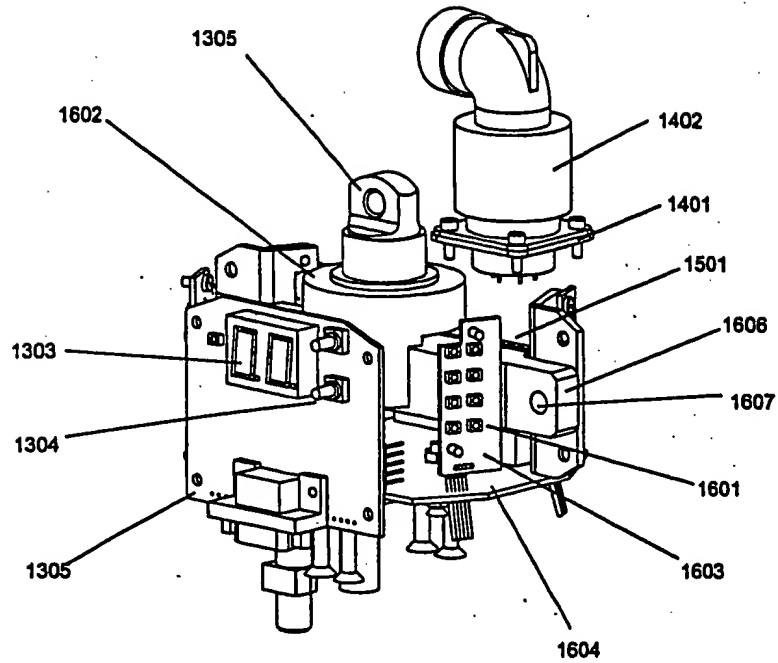


Figure 17

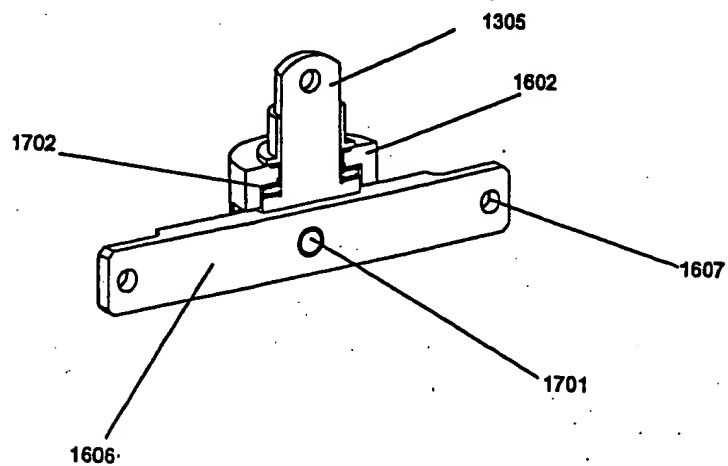


Figure 18

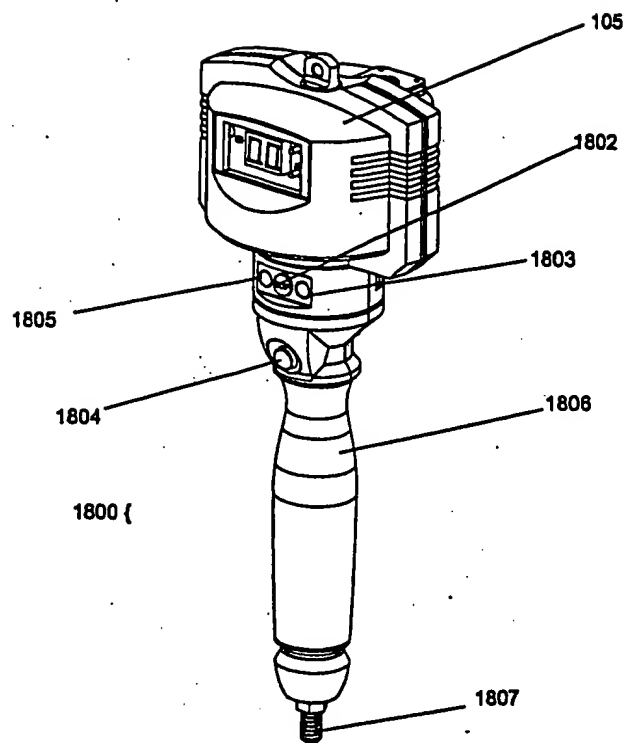


Figure 19

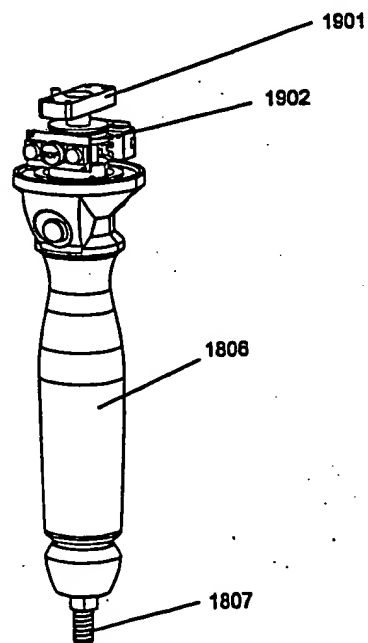


FIGURE 20a

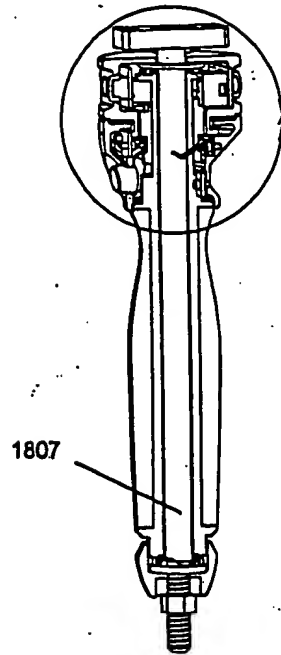


FIGURE 20b

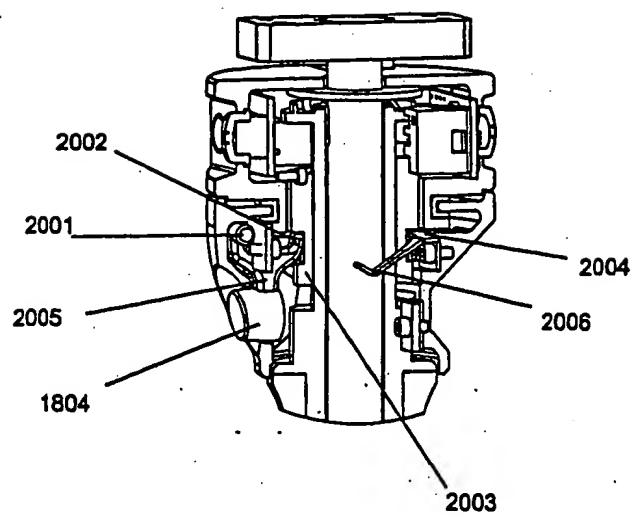


Figure 21

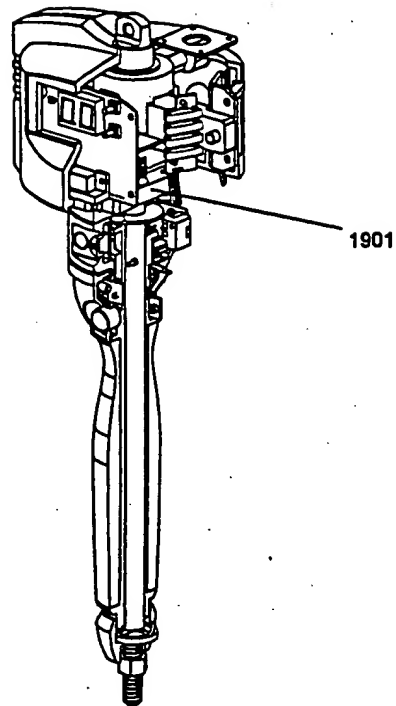


Figure 22

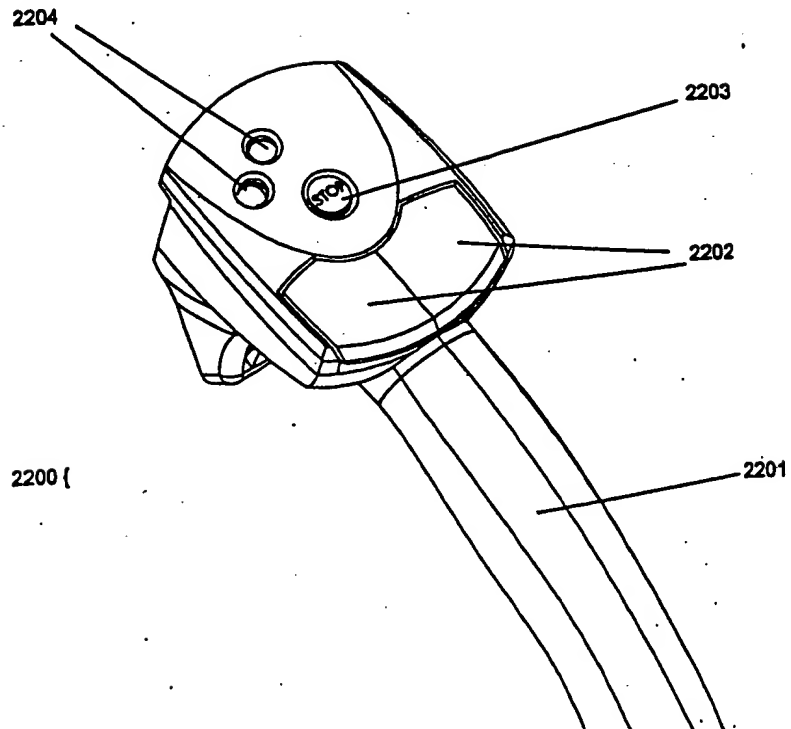


Figure 23

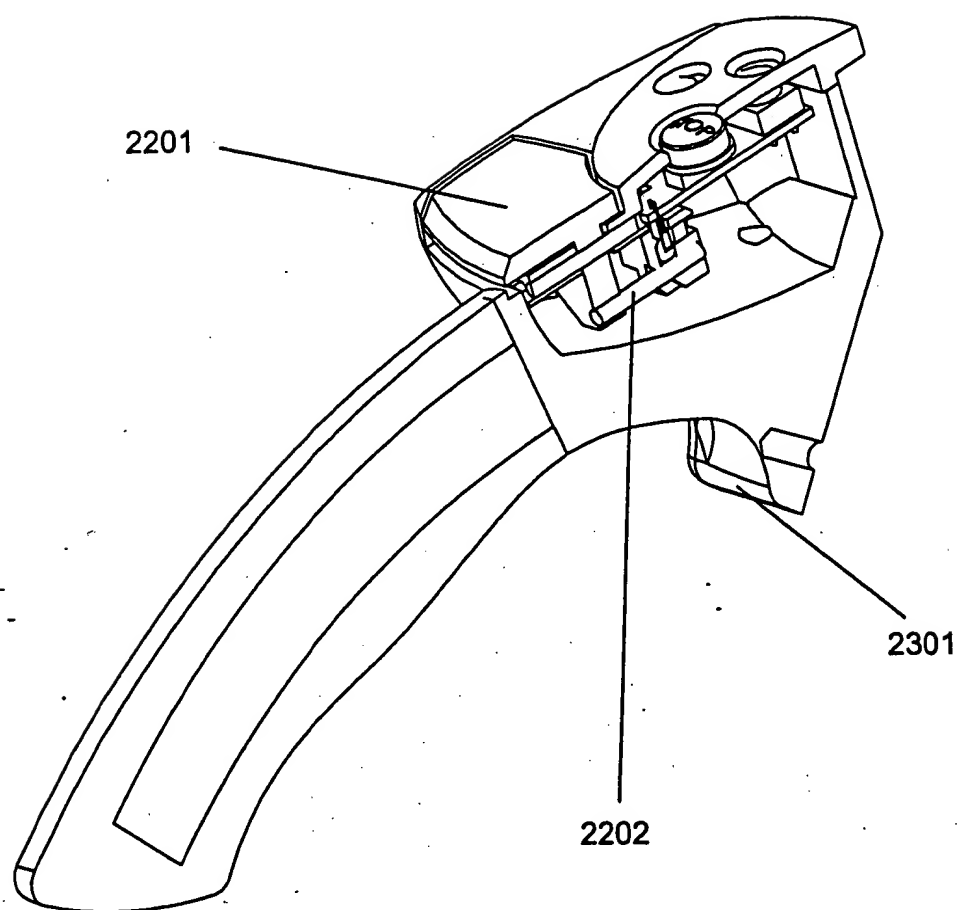


Figure 24

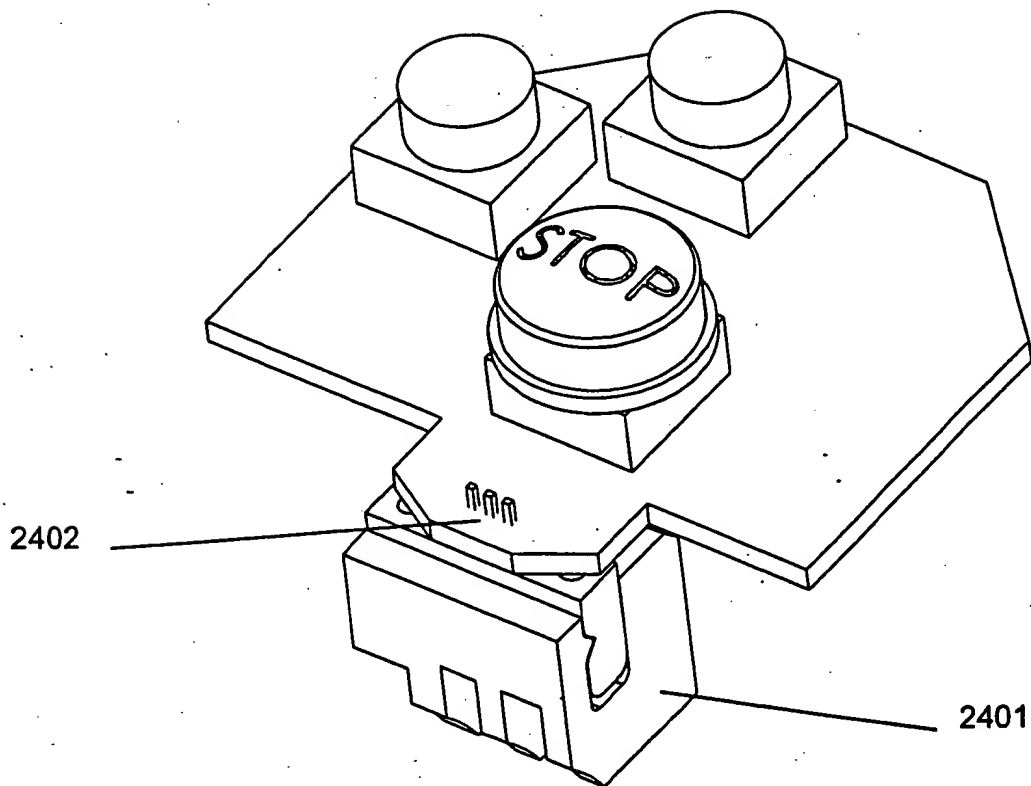


Figure 25

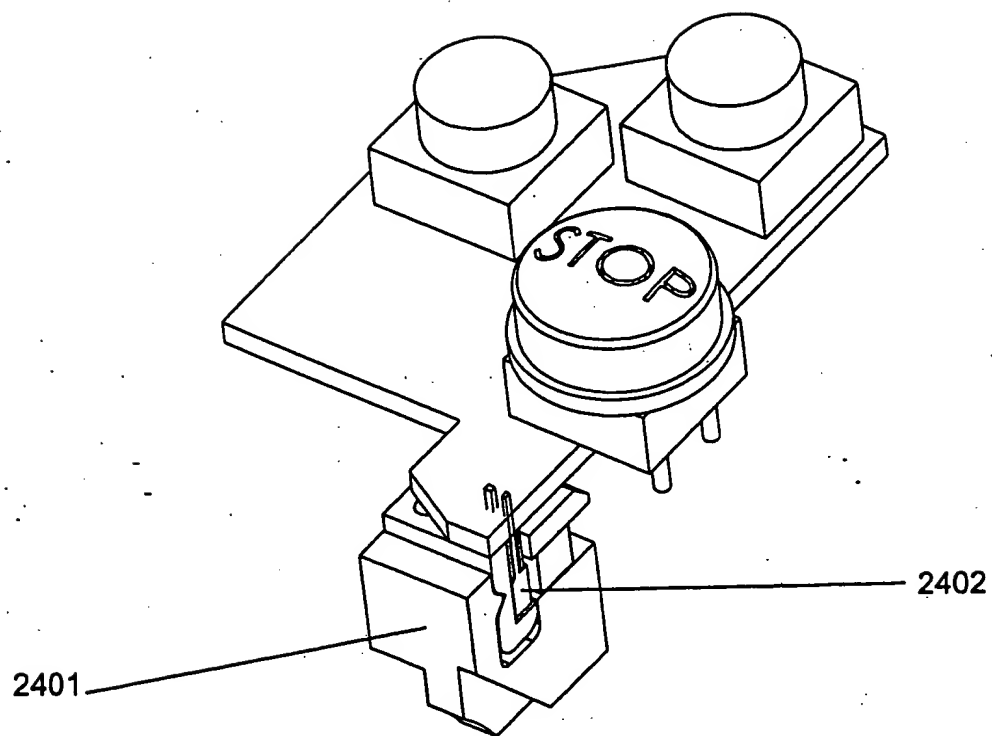


Figure 26

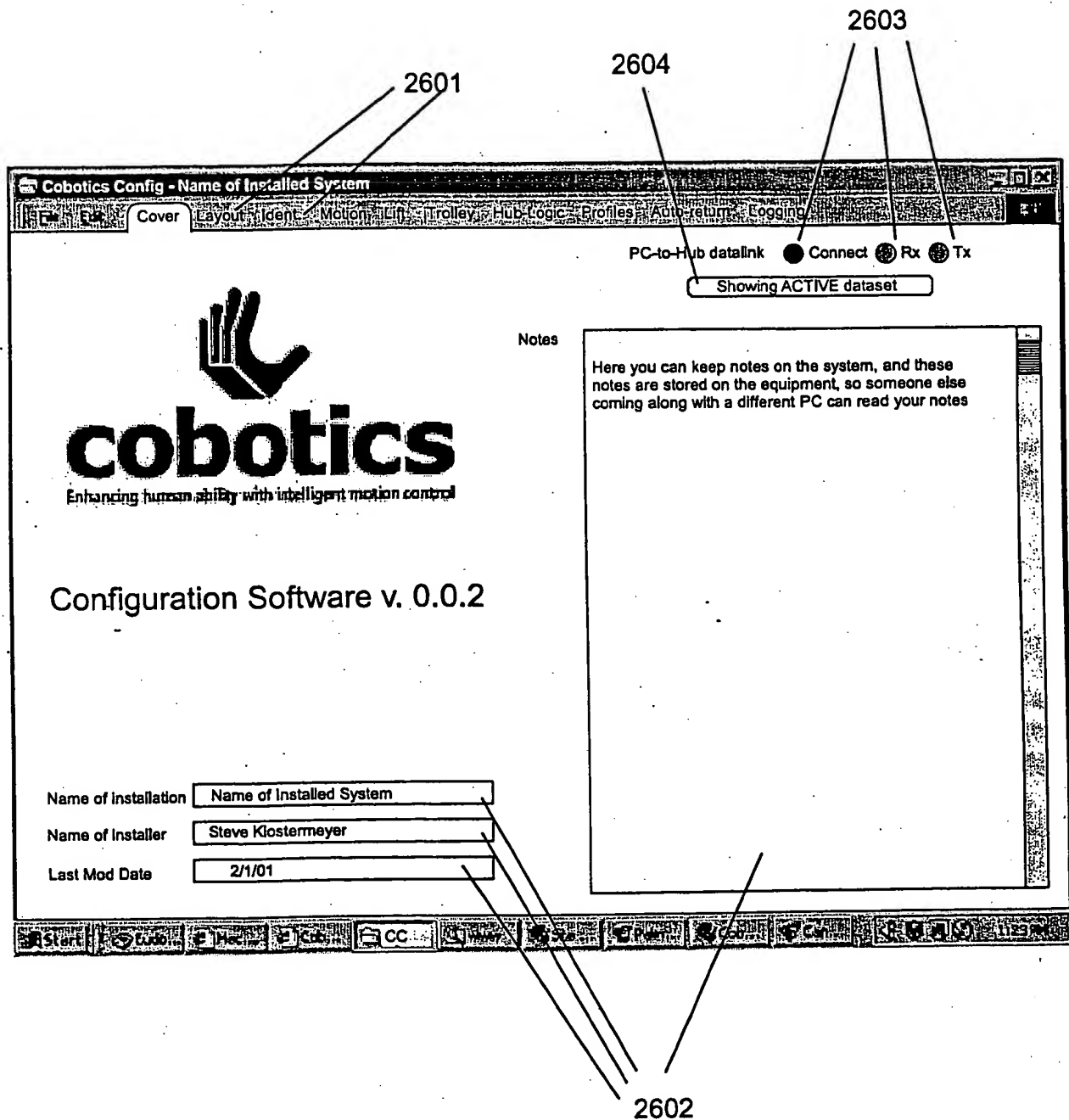




Figure 27

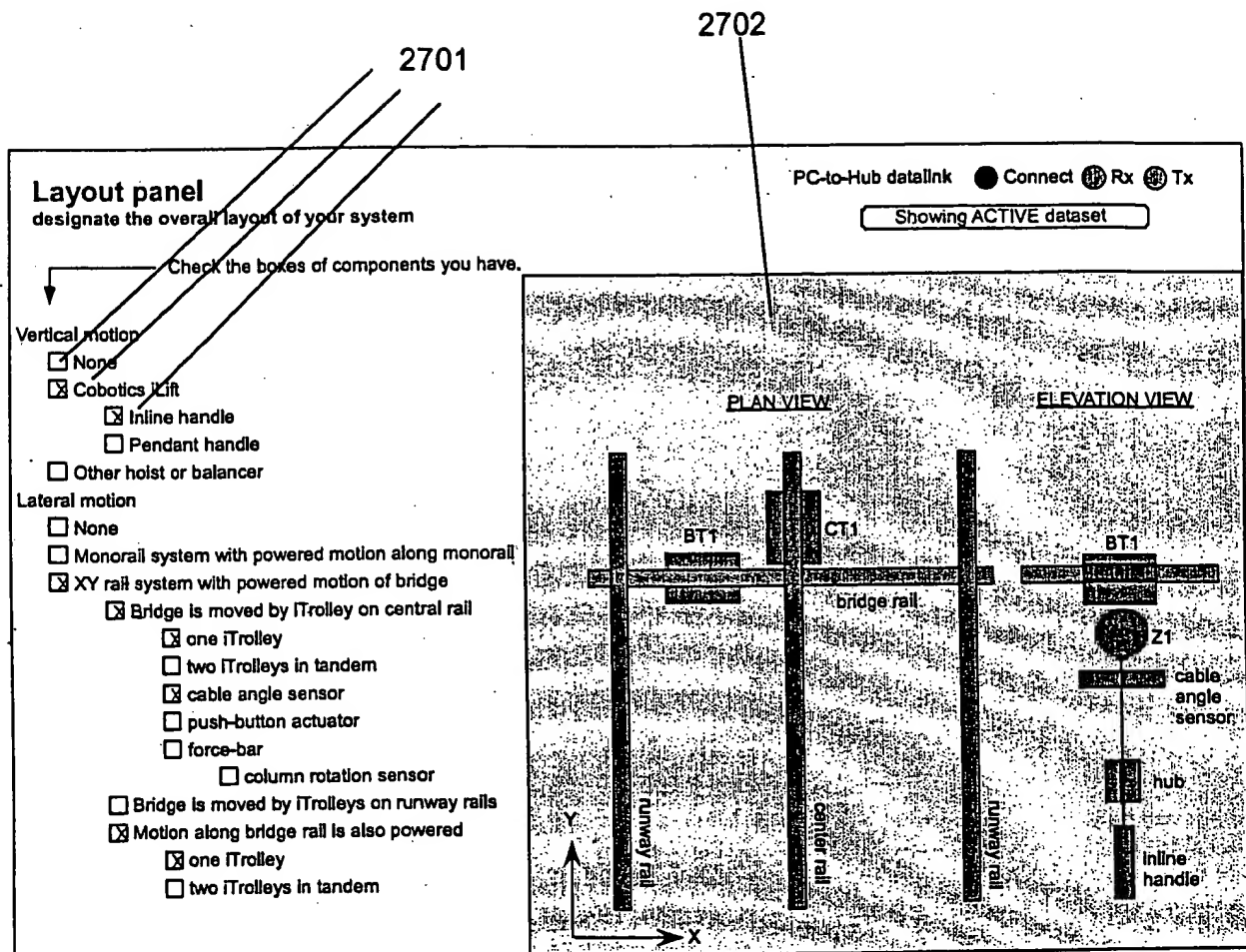


Figure 28

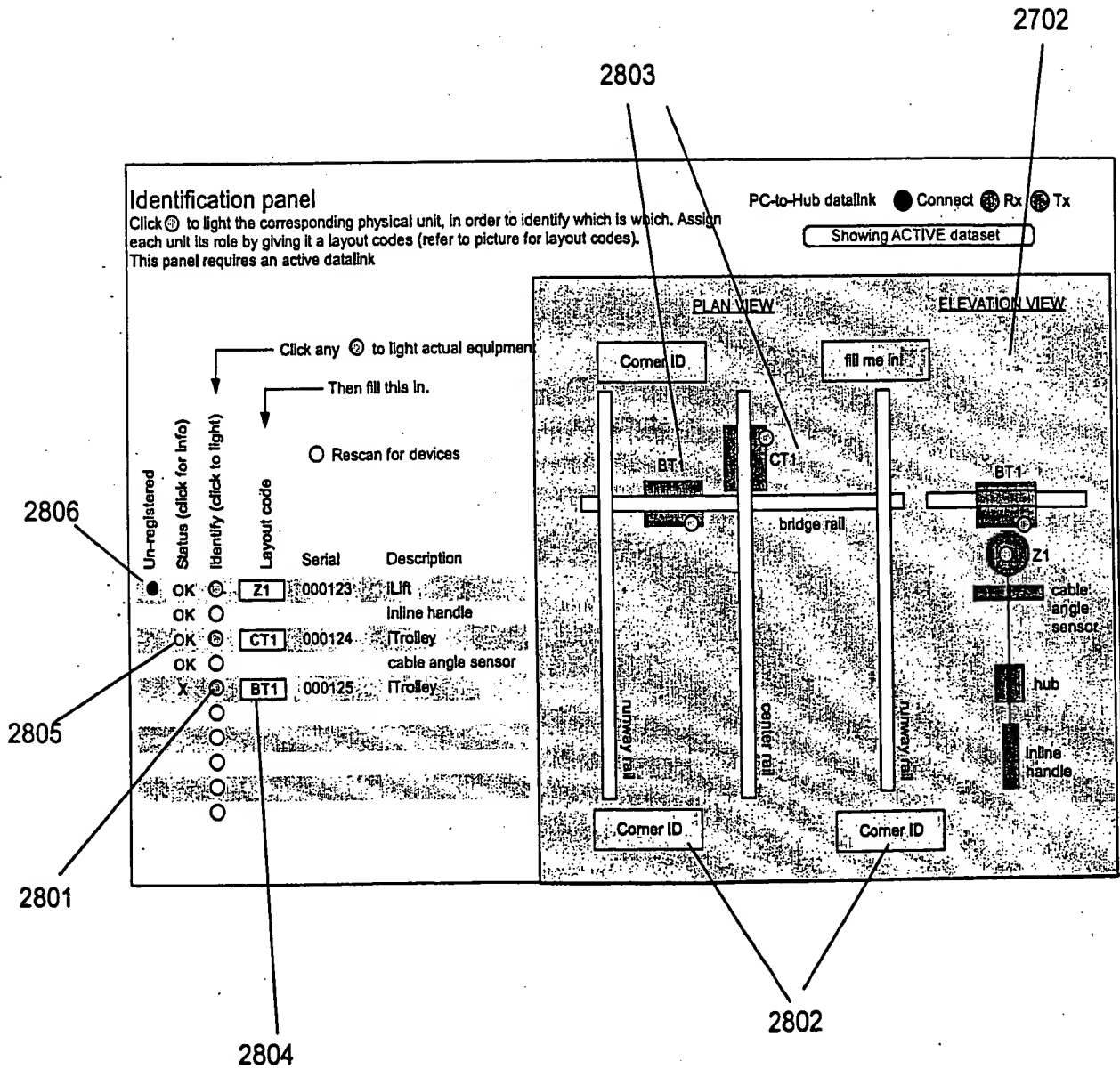


Figure 29

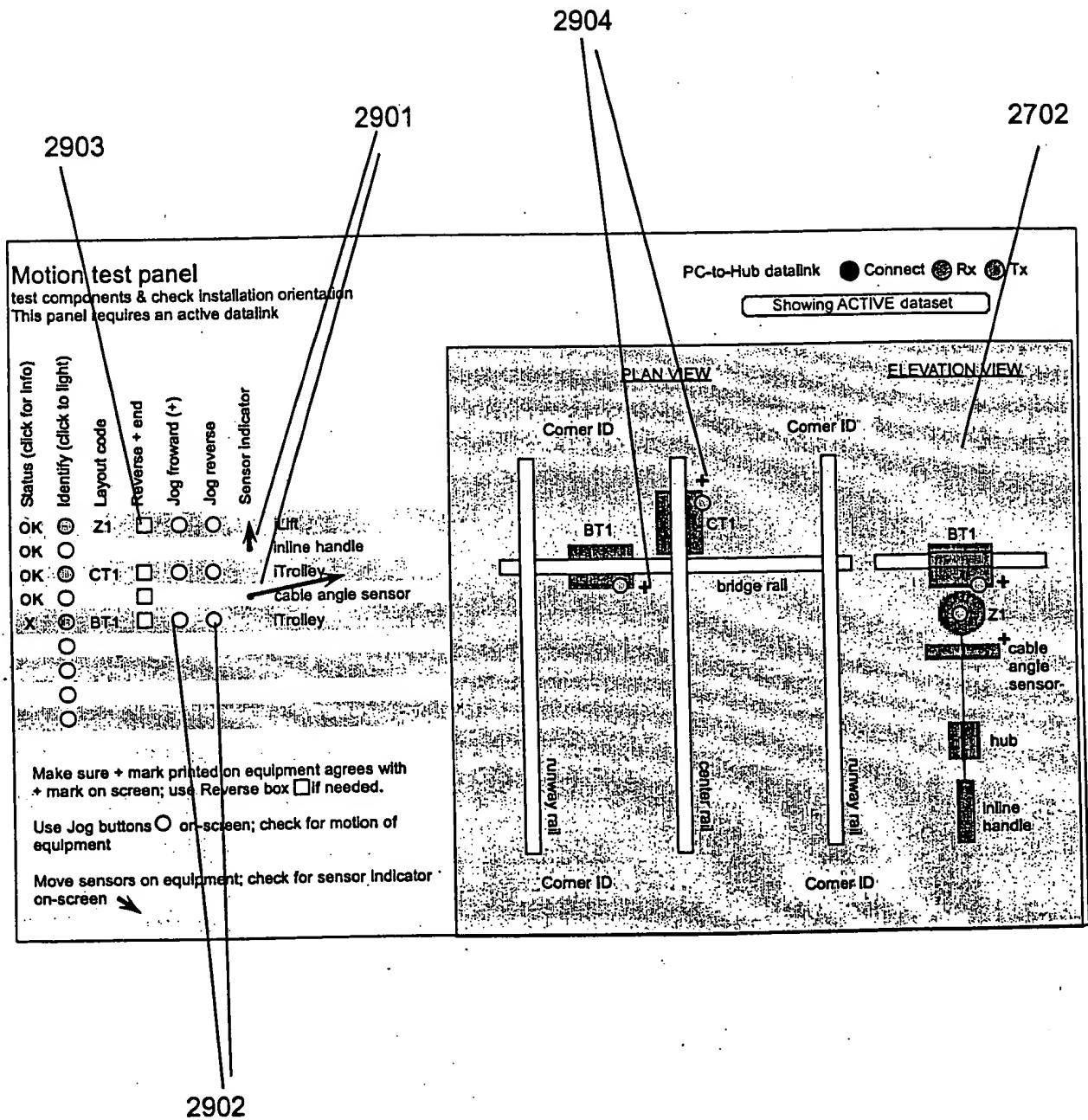


Figure 30

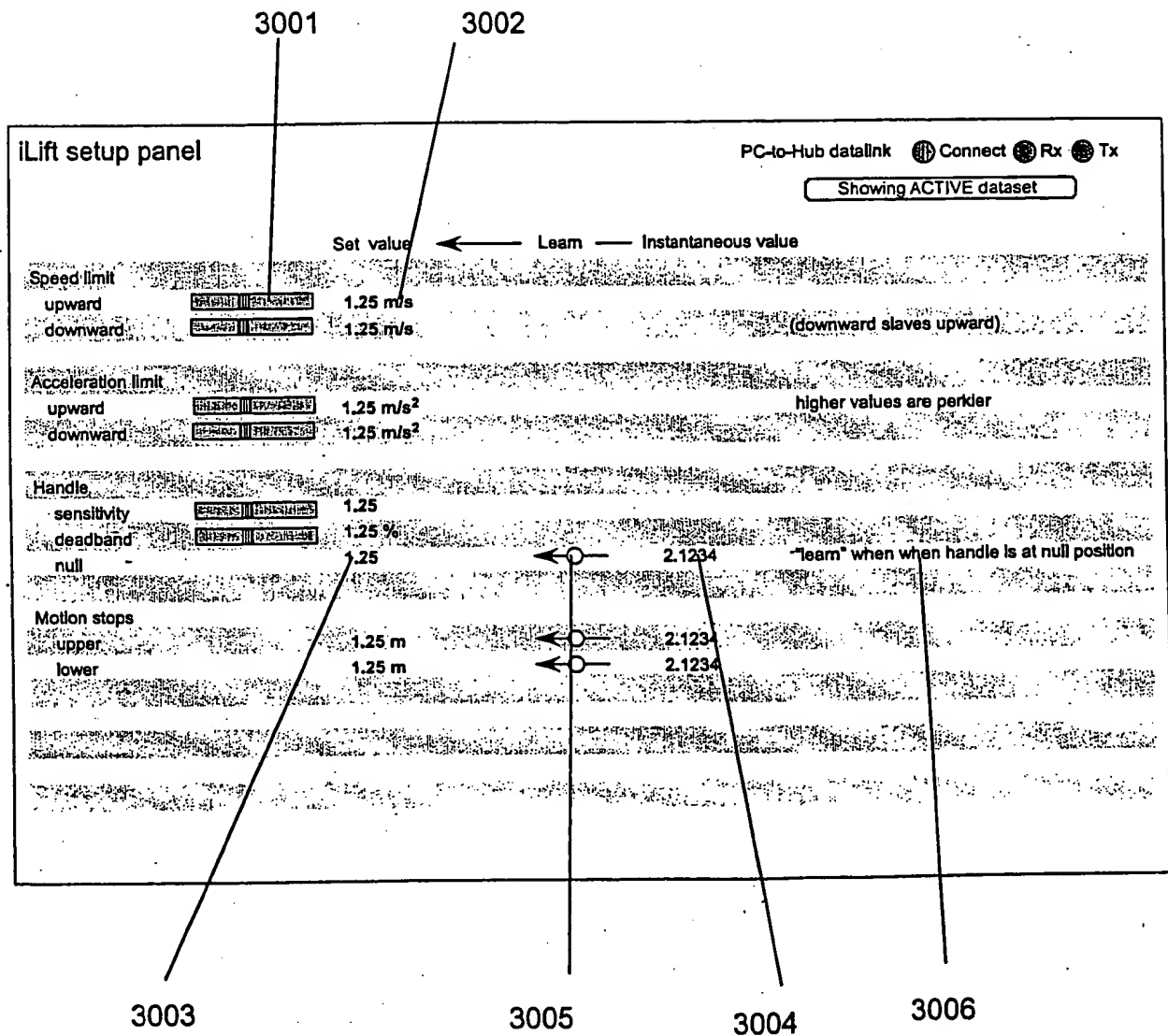


Figure 31

3100 {

**Lateral motion setup panel**

PC-to-Hub datalink ☒ Connect ☒ Rx ☒ Tx

Showing OFFLINE dataset

Set value ← Learn — Instant value

Speed limit	<input type="text" value="1.25"/>	1.25 m/s	
Acceleration limit	<input type="text" value="1.25"/>	1.25 m/s <sup>2</sup>	
Estimate of moving mass on bridge	<input type="text" value="1.25"/>	1.25 kg	● Measure it by jogging bridge
Estimate of moving mass on carriage	<input type="text" value="1.25"/>	1.25 kg	● Measure it by jogging carriage
Estimate of bridge length	<input type="text" value="1.25"/>	1.25 m	● Measure it by skewing bridge
Bridge skew null	<input type="text" value="1.25"/>		● jog+ ● jog- jog it straight, then "learn"
Cable angle sensor			
sensitivity	<input type="text" value="1.25"/>	1.25	
deadband	<input type="text" value="1.25"/>	1.25 %	
null	<input type="text" value="1.25, 1.25, 5.00"/>		← 2.1234 leave it vertical; then "learn"
Force bar			
sensitivity	<input type="text" value="1.25"/>	1.25	
deadband	<input type="text" value="1.25"/>	1.25 %	
null	<input type="text" value="1.25, 1.25, 5.00"/>		← 2.1234 don't touch it; then "learn"
End of travel limit runway (-Y)	<input type="text" value="1.25"/>		← 2.1234
End of travel limit runway (+Y)	<input type="text" value="1.25"/>		← 2.1234
End of travel limit bridge (-X)	<input type="text" value="1.25"/>		← 2.1234
End of travel limit bridge (+X)	<input type="text" value="1.25"/>		← 2.1234

Figure 32

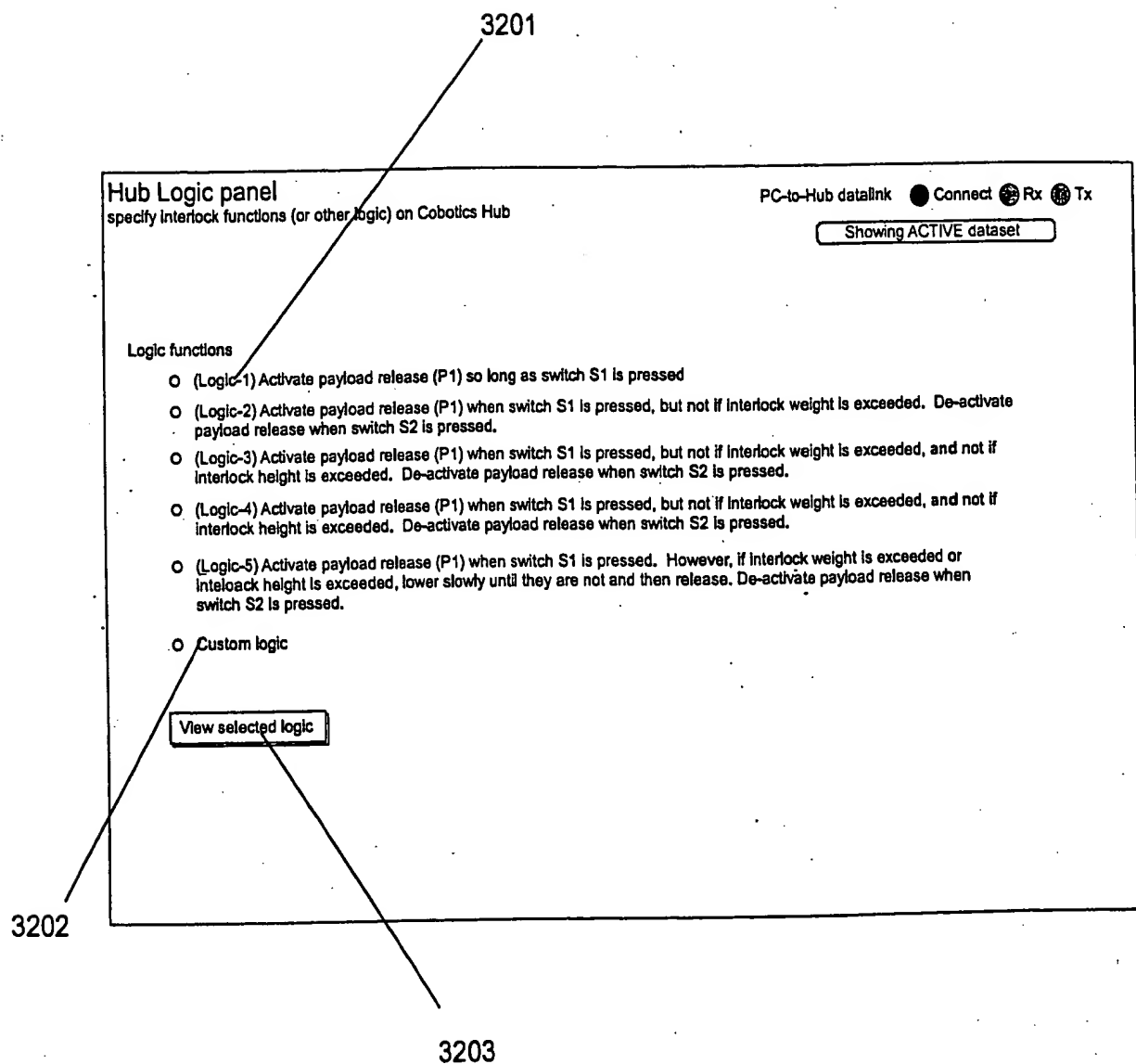


Figure 33

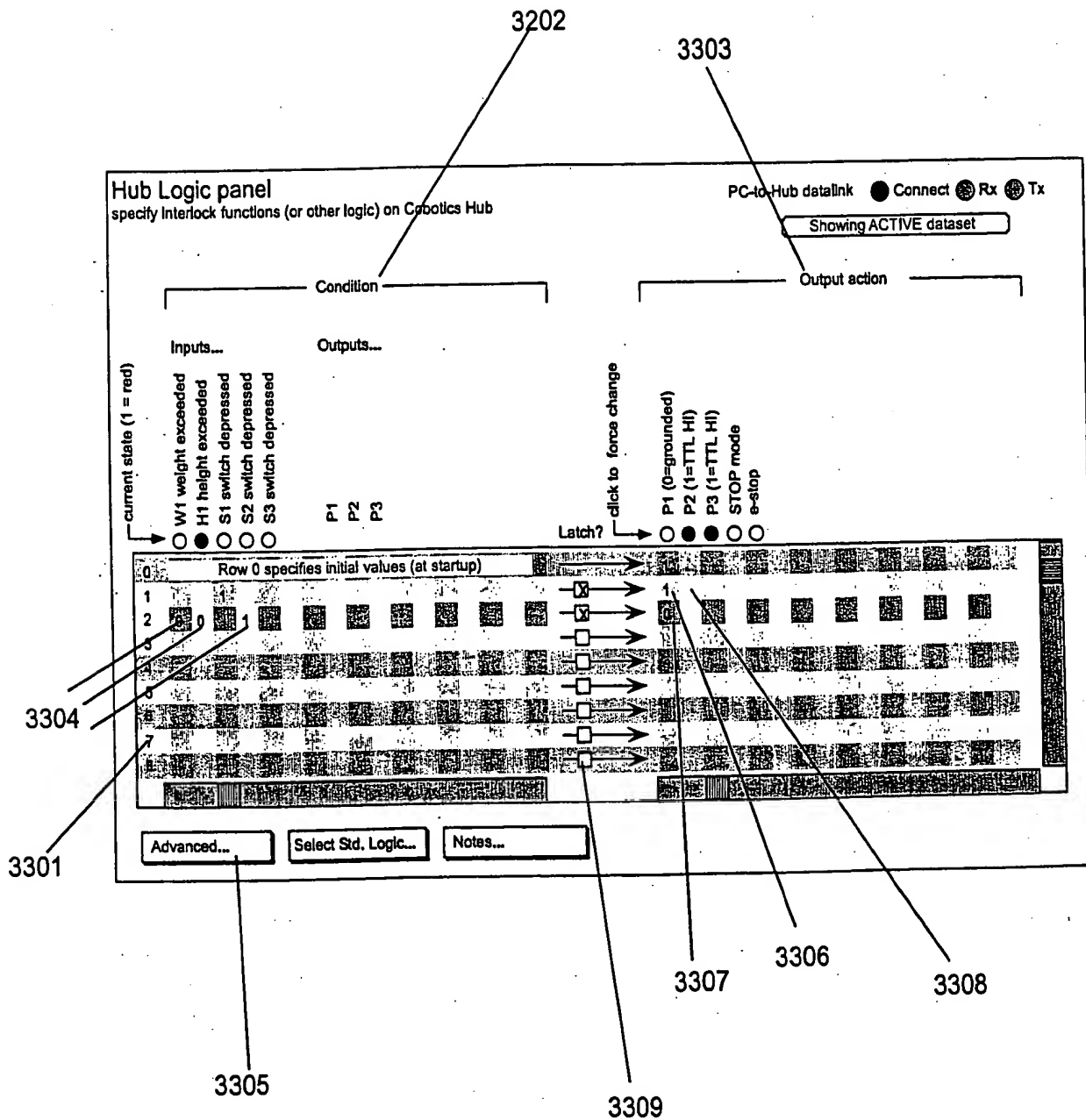


Figure 34

3403 3402 3401

**Profiles setup panel**  
all selections are subject to overall limits, on iLift & iTrolley pages

PC-to-Hub datalink ☐ Connect ☒ Rx ☐ Tx

Showing ACTIVE dataset

Profile ID	MD	HI	SK
Owner name	Default medium profile	Default fast profile	Steve Klostermeyer
iLift speed limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
acceleration limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
sensitivity	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
deadband	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
iTrolley speed limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
acceleration limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
sensitivity	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
deadband	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>

Use default values ☐ LO ☐ MD ☐ HI    Use default values ☐ LO ☐ MD ☐ HI    Use default values ☐ LO ☐ MD ☐ HI

☐ Remove profile ☐ Add new profile    ☐ Remove profile ☐ Add new profile    ☐ Remove profile ☐ Add new profile

Instructions: Operators can select their individualized profile at the Hub. Move sliders to adjust feel. Slider values are relative to limits set on the iLift and iTrolley setup pages. You can set a profile to the LO, MD, or HI defaults by clicking a button.

3404



Figure 35

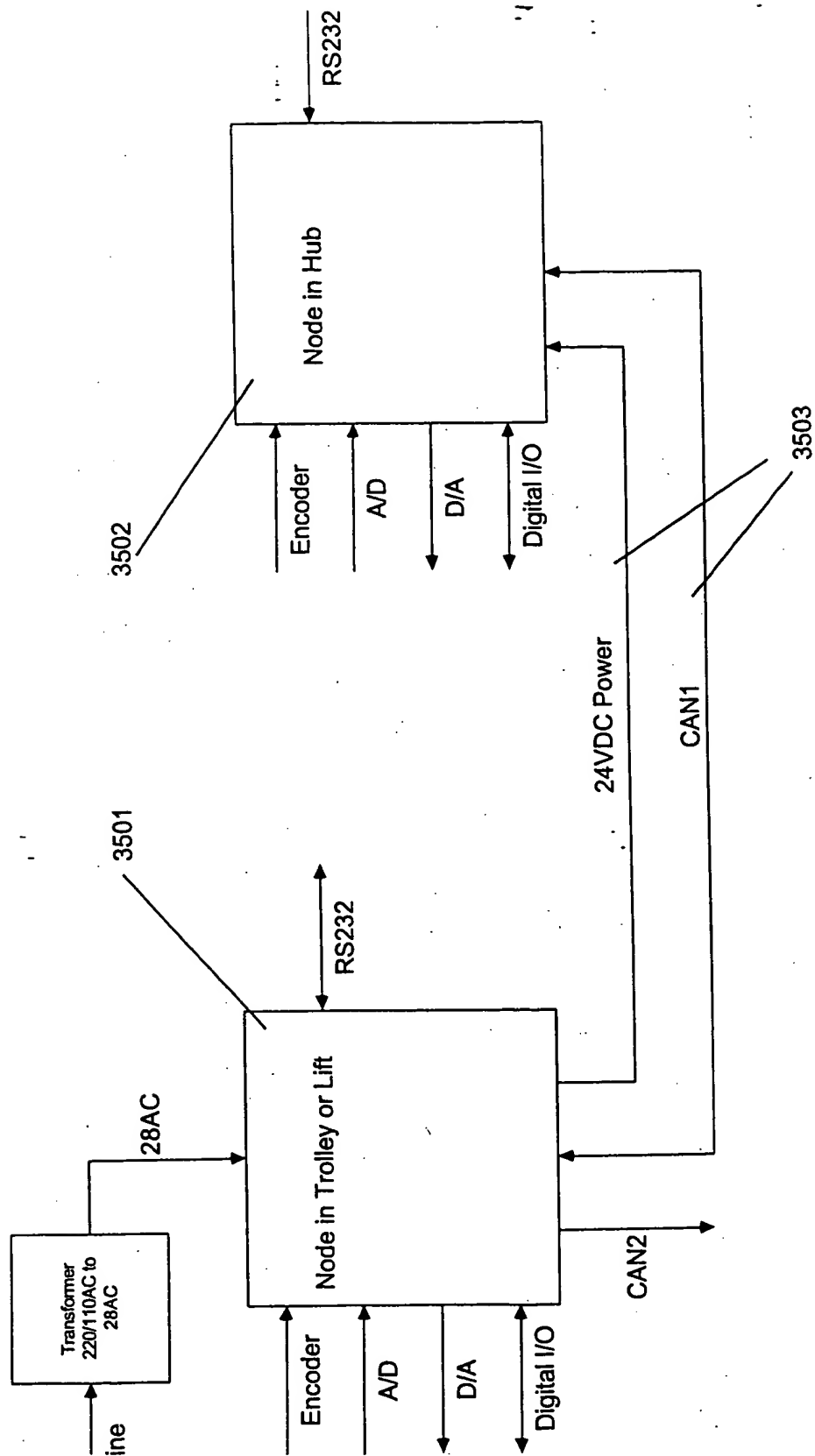


Figure 36

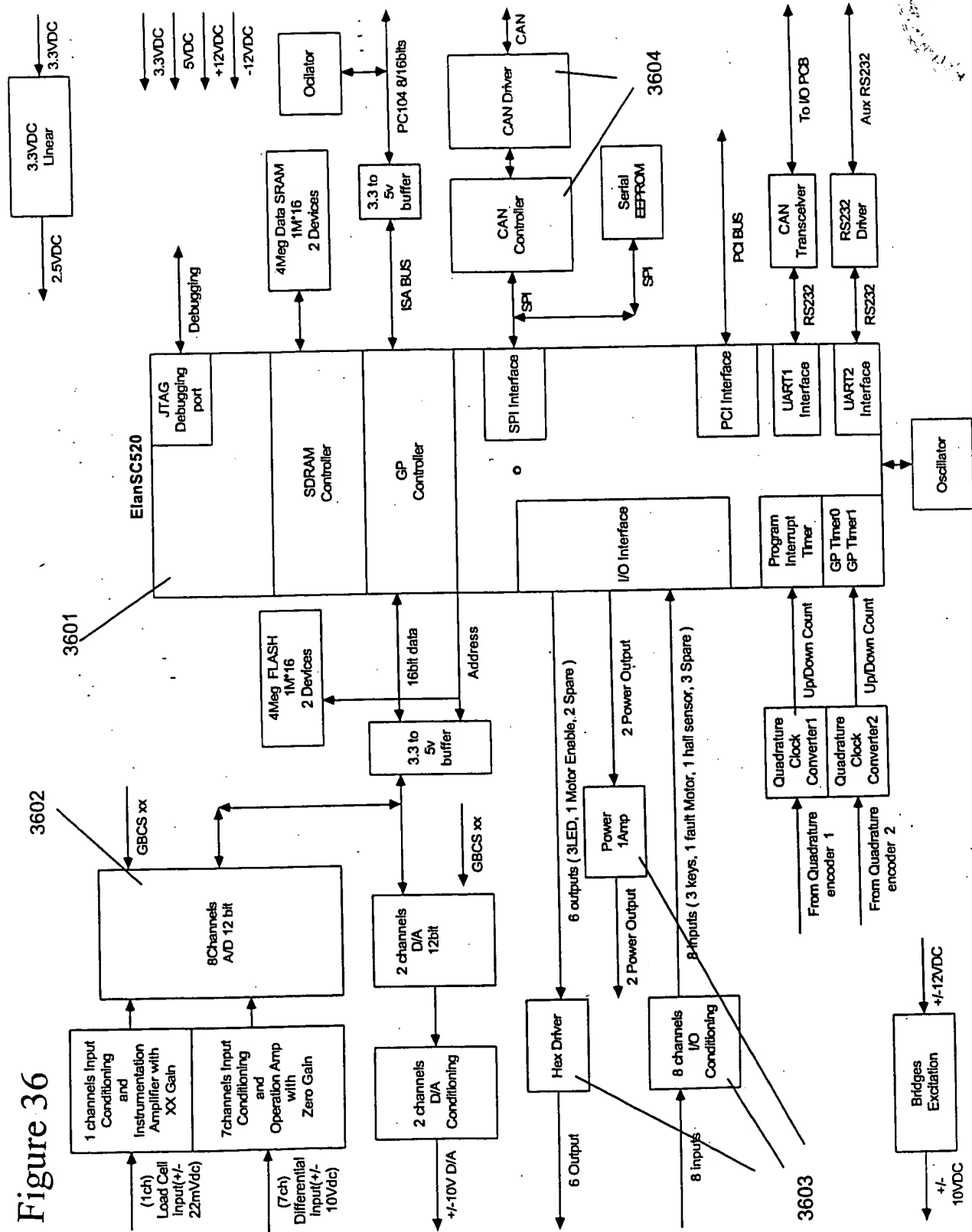
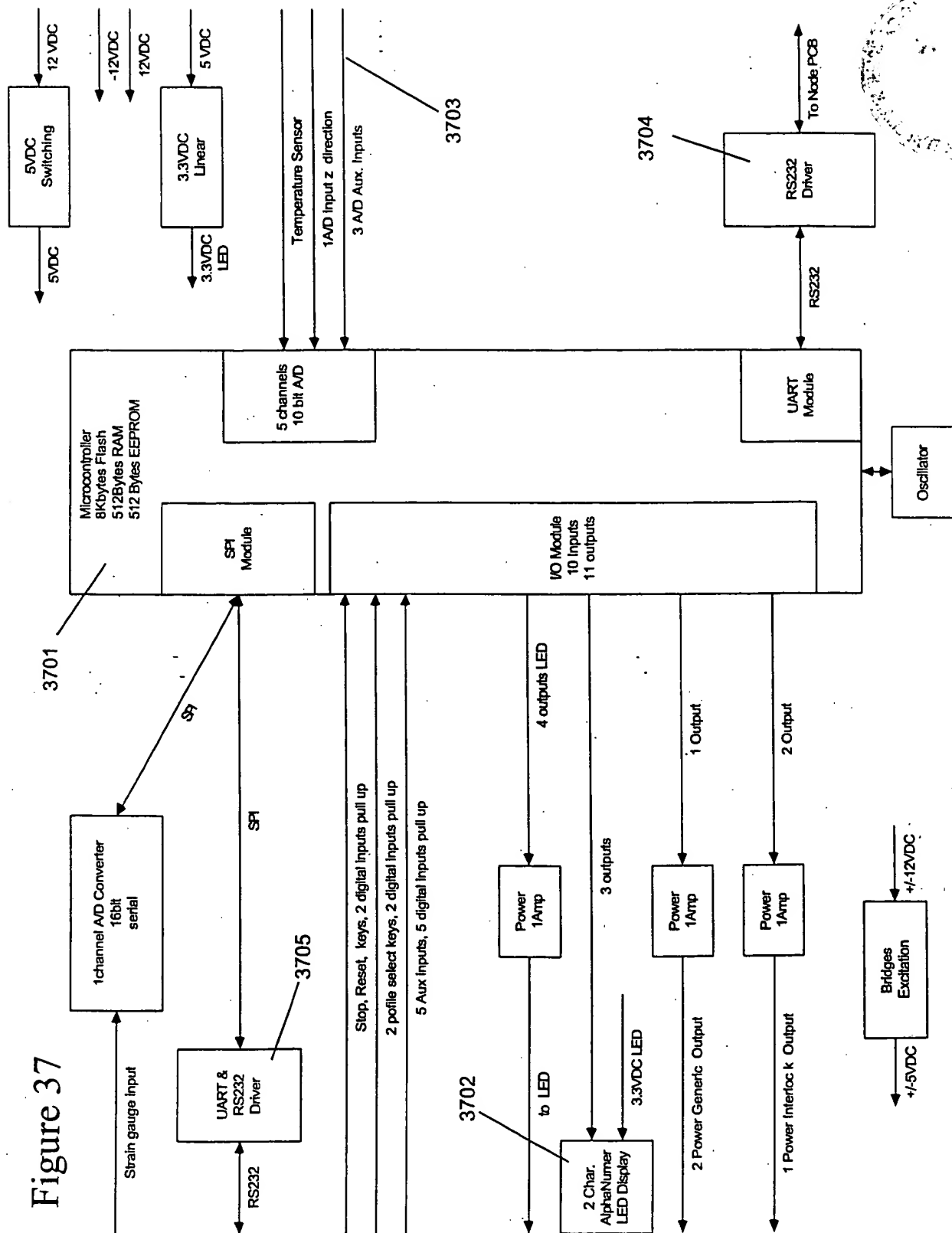


Figure 37



[illegible]

Field	Size (bytes)	Data Format	Description
SIZE	1	binary	Packet size.
DEVICE_ID	1	binary	Destination device ID.
CMD_TYPE	1	binary	Command type.
DATA	Variable	binary	Actual data associated with the CMD_TYPE field.
CHKSUM	1	binary	Checksum of the packet. This byte equals to the two's complement of the sum of the SIZE, DEVICE_ID, TYPE and DATA, omitting any carry.